(COMMUNICATED.)

SUBGICAL AND PRACTICAL OBSERVATIONS ON THE

DISEASES OF THE EAR.

WITH THE

NEW MODE OF TREATING DEAFNESS. TO WHICH IS ADDED AN APPENDIX,

Containing a Treatise on Catarrh and the New System of Treating it

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[Continued from THE N. Y. DAILY TRIBUNE of last Saturday.

Acrel mentions the case of a "woman who had been deaf a long time, and was suddenly seized with acute pain in the Ear, and vio-The patient became delirious and died in that state. A post morten examination was made and the worms were seen issuing from the brain to the tympanum and much resembled the common catervillar.

It will also be remembered by my readers that after Titus had sacked Jerusalem and was lving encamped on open ground to watch its complete destruction by fire, according to the prophecy of our Lord, he slept on the ground, and during his sleep a wasp crept into his ear and lodged itself in his head. While living he always said he felt as if something were cating him inside his forehead. Many smiled, none understood him. He lived years in agony, at last he died raving mad, always saying something was eating his head. Upon opening which, after his death, it was found that his head had been eaten into cells and was quite alive with

Perhaps it is forgotten that the fashion of sun-bonnets was not invented so much to prevent the face from being burned by the sun as to prevent the ears from earwigs, of which in Europe every one has great fear; for a child playing in a garden or in fields will ultimately either roll on the grass or lie down on it. and it was for this sun-bonnets were invented. But a better precaution for any one living in the country, and who is likely to come in contact with trees and shrubs, which swarm with all kinds of insects, is to place a small piece of cot-

must immediately be removed with the forceps; by the instrument, a pledget of lint covered with honey may be introduced, to which they Goodness of our great Creator. nctimes adhere: a few drops of the inand be thus brought into more immediate contact with practitioners, that stumbling block, which deters many them. In all cases it is better to apply to an experienced sufferers from the hards of an experienced April.

but the habits of my mind and the course of my expe- eased Ear, by dissection and by physiological facts, I the latter two have most particularly been enumerated. When the case is favorable, the patient experiences a with diligence; as they are precious to the young au have found, during my own experience, that the greatwist, to books I make no appeal; what I have seen and er portion of cases set as nervous designess arises from tried, that only do I presume to write in relating plain the feet that the great sympathy between the Throat facts to my readers. I must be occasionally useful, and and Ear which arises from the continuity of the mucous of general acute disease, as continued or typhoid against the aperture. may confidently call the attention of my readers while membrane of the Throat, which, by means of the fevers. exemplifying practical facts from my own daily expe- Enstachiau Tube is carried into the Ear itself. This disease is occasionally seen to pass to the ear be generally seen, but sometimes that is impossible, in mind, and is never able to emerge from the atmosphere

tion to perents and grardlens not to neglect the fetid tympanic cavity of the organ of Hearing by the dentition, Individuals of the scrofulous diathesis, of the upon, as a closure of the Tube will prevent the success ties equal to the common and necessary duties of life. discharge from the ear, more properly called Otorskee, way of the Tuba Eustachians is somewhat less than two sylphitic taint, or having irritable mucous membranes, of the experiment. as this itself being neglected may in course of time crosto such insects es we have spoken of above, as far a free surface of mucous membrane extending throughout are particularly predisposed to Obitis, but this predisthe greater number of cases of discharge is of a maily the whole length of the Tube between the two organs the whole length of the Tube between the two organs and consequences of Obitis vary as charged, as to resemble the breaking of a tonsillitie ab-East nature, and is so immediately connected with the Sholl we then be surprised if a disease takes its root in cording to the structure of the part inflamed, and as seess, and the muco-sanio-purulent matter is expected judicious, although it suits the times he wrote in; when threst and organs of breathing and swallowing that it one portion of this connecting membrane and should be, these variations are very great, writers on the diseases rated. At other times it escapes by degrees, and there Aurists were chiefly the assistants of physicians, who may affect the head, nostrils, and even the functions of with facility and unknown to the sufferer, transferred of the ear are obliged, for the sake of greater perspicuity is a constant disagreeable sensation in the throat, with required of them chiefly a quick eye and a steady hand, the brein itself, which sometimes may result in a most to the whole surface containing all the same anatominal and case to the student, to describe separately the discontinual spitting.

nd the sympattetic connection between the perves laying the foundation of some of those diseases which, In such a case, the attempt, frequently repeated, to Tympanum.

vote himself to the study of the organ of Hearing without being drawn to the examination of the larynx. I myself must confess that in treatment of the affections of the Ears it leads to almost involuntary diagnosis of the Throat; and I feel certain that every surgeon will agree with me when I declare that these two important and delicate organs conduce to clear up a great obscurity in the treatment of each, and in an especial manner conduce to great success in the cure of the diseases of the two respective organs so important to the happiness sults in making a serious obstruction to the Hearing and well-being of mankind. An obstruction of the Eustachian Tube, from whatever cause arising, causing the stoppage of the free communication between the Ear and Larynx, will inevitably produce deafness. The opening of the Tuba Eustachiana. Many surgeons are the dizziness in the head and the stupor sufficiently as being commonly what is called Ear-ache, and which of opinion that in cases of deafness arising from obstruction of this tube, and which have been considered as incurable, the Hearing power may be restored by the paneturing of the membrana Tympani and neglecting whole system. the Tube itself. From my own humble experience. I have found this mode of cure to be either only partial or of Brooklyn, has consulted me in consequence of great the atmospheric current is withdrawn from the interior of the membrane, and Deafness ensues under all circum

The free passage between the Ear and Throat is prevented in many ways. It is quite usual in common catarrh that the fluid which collects in nasal ducts and throat during severe Winter weather should extend as far as the Eustachian Tube, so as to close it partially or entirely. It not unfrequently occurs that the enand on removing it the next day, several small round gorged state of the mucous membrane remains after all worms were observed upon it, and from that time all other bad effects have disappeared, and permanently there seemed a chance of cure, and among others unpleasant symptoms disappeared." Valsalva reports a obstructs the Hearing. Another cause of obstruction case somewhat similar, but of longer continuance, in is the secretion of a viscid mucus of the Eustachian which the membrane of the tympanum was destroyed tube and membrana tympani, which remains undisand the worms made a nest and crept up to the brain, turbed, frequently for years, without even nature itself making an attempt to expel it.

> The worst and most serious malady to which this allit is impossible to describe the injuries which may result therefrom, when we take only into slight consideration the delicacy of the structure of the ear, its numercate nerves and remifications, and how easy it distant part of the body. s to disarrange this little organ which I think of all others, so beautifully demonstrates the Wisdom and the outbreak of this disease.

A great authority on Aural Diseases says "that the tobacco in oil of almonds may be passed only rational means of evacuating the Tube and Tymdown the canal or the smoke of the tobacco may be panum, which is vomiting, is most uncertain in its ac A FOREIGN BODY IRRITATING THE AUDITO. cells, the integument covering the massoid process assumes fatal to its noxious inmates; if the Tympanum be ex- which emetics have been pertinaciously tried without

My reader must not think that I have dwelt too long, any one will take the trouble to closely examine the disand which is such a fertile source of disease, from the neighboring parts, and back again, forming an which case, however, air may usually be forced through of the particular school in which he was bred. I ampersusded it is my duty to call particular attention not understood in all its importance. The perience themselves or see their dearest friends suffer of inflammation of the car into External and Internal is discharged into the throat, but when it escapes into the The pathological connection of the Ear and Throat ing from a Catarrh extending from the nazal cavity to not only justifiable, but absolutely necessary. precisioner, who may himself be so slow at first to in less than twenty-four hours travels to the mucous Tympenum may be easily detected, when, in addition to and that a troublesome chronic Otorrhae will continue canal, distances compared with which that between the a sound or catheter, but does not transmit air; and which depends upon the amount of disorganization.

auxious guardian." The unvarying uniformity with which a common Catarrh will extend itself from the cavities of nose and throat to the car along the mucous lining is such a mat- of the cavity, and the variation in the structure or num in a state," says an experienced aural, writer, "of deter of common occurrence that people say as soon as it ber of essleula, will be altogether irremediable. gets warm I shall hear as well as ever. They forget the root is already laid; the engorgement of the mu- of inflammation, with its acute effects; and then to discous membrane will make a great effort before it can cuss the milder, but very often the more insidious form be reduced to a fluid so se to pass by means of increased mucus through the largnx, and very often reby closing the Eustachian tubes and thus begin some sequence of the difference of the pathology of the afcertainly increase so as to depress the palate and ex- circumstances of the matter, after having, formed, not dura mater, and thus life may be destroyed by meningitend to the fauces and threat, and if left without medical aid, is indeed full of danger, the nostrils and throat breathing and swallowing interrupted, the sufferer is thence in the utmost jeopardy, and that stage fast approaching which may even affect the lungs and the Recently, a young man, of the name of James Wilson

difficulty in breathing, which created the greatest alarm in the minds of his aged parents, as it became so intolerable that he could not draw his breath without hard; the secretions are suspended; the pain becomes extreme pain, his throat being very much relaxed. This boy had consulted various surgeons and physicians. Some told him the disease was incurable, and refused particularly refers as the the most painful part as the to prescribe; while others, because he spoke imperfeetly, pronounced it to be a venereal affection of the se. Another remarked that the disease must be referred solely to the nose, because the profuse mucus and the acrid samies flowed only from the nostrils, to the brain, and extends to the fauces; the disease is atwhich he applied various remedics, without success. The mother, very much interested in the fate of her toward the close becoming low, accompanied by mutson, neglected no occasion of consulting advice while terings and occasional rigors. In its progress the inflam we were consulted. After a careful examination, we het and painful to the touch, as well as the pharynx. found it to be ABITIS MEDIA; proceeding from a tonsils etc., which are then tumefied and reddened tympenal cavity, and extended to the other structures, morning, a reaccession often accompanied by rigors and obstructed with a mucous accumulation known by the name of Catarrhal and Purplent Obitis, as it is the affected side. well known to every surgeon that the sub-mucous tissue nay be inflamed without the surface of the membrane which next enabled me to perform my usual operation. In external cities the muco purulent secretion which are apt to superinduce an attack of this kind serous moisture.

The extension of inflammation from the Tonelle of

Also inflammation possing through the Eustochian Tube

Or from the External Ear Or from the Membrana Tunnani

Or from the Mastoid Cells.

Or from injuries of the Membrana Tympani, with

Mechanical irritation of the Tuba Eustachiana

Illegration or destruction of the Membrana Tympani Draughts of cold air along the Mustus.

dammarion of the External Ear.

SCROFULA.

SYPHILITIS

DISPOSING CAUSES.

RY CANAL.

ered as a foreign irritent ERYSIPPLAS OF THE SCALP.

SCARLATINA. VARIOLA.

RUBEOLA

THE AUDITORY CANAL. GALVANISM. ELECTRICITY.

the other by means of the common medium, the Eusthroat and Ear is comparatively insignificant," writes a stylette or catgut sound introduced into the cavity

This part of the subject will be more advantageously

the Throat and those of the Ear. No student can de- if not promptly attended to, become disease whose men- wash out the cavity with bland fluids, injected through the Eustachian Tube, might be attended with success, provided the abnormal deposit is confined to the of disease; the severe symptoms assume those charactympanum.

The unnatural enlargement or diminution in the size

of this disease.

The symptoms of the severe affection, to a certain extent, resemble those of Otitis externa, differing in con-

The symptoms are at one time ushered in by a severe only complete cure of a deafness of this kind is complete are filled with its bulk, the bones sorely compressed, as pain in the Ear, which is often neglected, and regarded and the dura-mater, or between the cerebral membrane evince; the voice affected; the Hearing injured; the may continue only for a few hours, or it may persist with occasional exacerbations for two or three days, when it suddenly more or less extends to the whole of that side of the head.

In other cases the symptoms [commence with intense headache, or insupportable Hemicrania, the febrile excitement is most severe, the eyes are injected, watery, and intelerant of light; the countenance is flushed and excessive and extends throughout the whole head, but auditory canal; tinnitus aurium is a frequent distressing accompaniment; the pain is increased by noises, even the slightest, by the movements of the jaw, and attempts at deglutition; and it frequently shoots through tended by delirium, often very violent at the outset, but caterrhal inflammation of the mucous membrane of the The severity of the symptoms frequently abates in the coming on in the evening. The patient is also deaf on

So far the symptoms, though indeed acute, are insuffielent to distinguish inflammation of the tympeaum, from eing involved in other parts of the body, and parties the most severe form of external critis; to perfect the the obsolete annual nathology? He will contend that diagnosis it is necessary to ascertain that the auditory

for removing the obstruction. I was fortunate enough in a few days, or even a few hours; in the internal dis- I thought this absurd notion had exploded totally, for it My young patient, who was full of courage and confi- discovered, and then it escapes suddenly either through seeking a cure for this discharge. Is a child the subject lence during the whole course of the treatment, is now the Eustachian take or through the ulcerated masteid of it, the parent is told to leave it to nature, and they ajoring the blessings of perfect health. The causes cells, whereas in the enernal disease it is preceded by a will out grow it. Is it an adult, some other plea equally

> ease, and is that of inflammation, terminating in suppuration. It sometimes happens that timely treatment in a good constitution so lessens the inflammation that it in the great majority of instances it passes on to suppuration, and the escape of pus may constitute the second

> puration is completed, in consequence of the pas or mat ter being still retained in the tympanal cavity; no certain data therefore exists by which it can be known that the secretion has taken place until it makes its exit,

mbrana tympani, either by rupture, to which it may that the greater frequency of the matter being dis-Loud noises, such as heavy cannonading, have led to charged through the membrane than the Eustachian the practice of the earlier anrists was marked by no TYMPANITIS.

The first stage of the inflammation generally closes the Eustachian Tube by adhesion, and hence the diffi-When the suppuration has extended back to the masteid surgery. a derk livid color, often attended with an indistinct mixed with blood, finds an escape, accompanied by ex-

rience incline me to seek for useful facts, to state them am satisfied it will be found that it is very rare to find a as exciting causes when too freely used for the removal subsidence of his distressing symptoms as suddenly as has every fault but that of designing ill, or committing with precision and simplicity, as I have observed them real case of nervous desfness. On the contrary, I of deafness. Inflammation is described to have arisen the escape of matter occurs, and the improvement is in also from metas-tasis, in consequence of the sudden proportion to the freedom of the discharge, which old inventions. removal of ophthalmia or gono; rhea, likewise to have varies, either in consequence of the great consistence been excited by a carious tooth. Otitis occasionally of the matter closing the opening in the membrane, or of our specialty, has a narrow mind, and prefers the arises during the progress or toward the termination of inspissated fibrin, in the form of little crusts falling little opinions of his particular master to the accumu-

On an examination of the Ear, the perforation may alternating blearious affection: it also alternates in it from the Eustachian Tubes, forming bubbles in the Much has been said about the qualifications of an

meatus, or through the mastoid process, it is almost cer-

lirium more or less raving, the patient falls into a con-It will be advisable first to treat of the severer form dition of come and thus expires." The symptoms alone parts. the brain, and it appears, in most instances, to make itself a pathway either through the roof or the posterior wall of the Tympanal cavity.

In cases where this result is very rapid, the inflammation may occasionally extend from the lining memof the worst cases of deafness. The engorgement will feeted structure; of their greater severity, and of the brane of the tympanum to the bone, thence to the tis or phrenitis; while in other cases the disease may terminate in suppuration either between the cranium themselves, or in the substance of the brain.

Dissections of these cases, however, prove that the up per or posterior wall of the tympanum is generally destroyed, either by necrosis, or more frequently by cories. which condition corresponds to the more gradual ex tension of the disease to the brain; and particularly to the fact, that these fatal causes usually result from acute inflammation excited by a chronic affection.

"Some practitioners," Mr. Saunders says while anxious; the skin hot and dry; the pulse frequent and treating of discharges, "are disposed to regard this as a trivial disease; others as too dangerous to allow the interference of art. Both are in error. It is without a is more severe on the side affected, and the patient disease destructive in its tendency to the faculty of

It rarely stops until it has so much disorganized the Tympanum and its contents as to occasion total deafness. On this account it demands the most judicious attempts to arrest its progress, and it requires an amount of skill combined with enormous experience to consequences to the sufferer, for in the severe stage it is by far easier on account of the extensive inflammation mation spreads to the masteld process, which becomes which is its sure attendant, to aggravate rather than

> ountable; yet modern practitioners do not condema case, that is not equally conclusive in reference to all has been constantly adduced to deter sufferers from injurious and futile, is employed. "The truth is," save this Aurist, "the disease is always tedious and difficult. and not always easily curable, and many are disinglined to embarass themselves with the case who have not can

> Thus it is many sufferers who have this disease con mencing in childhood allow it to grow with their growth and strengthen itself with maturity, who are induced to refrain from all attempts to relieve or cure it. until the disease in the first stage so easy of cure, to become obstinately impracticable, and even allow to run

The truth is, that the practices and the prejudices been understood, or operations invented or improvedwhich is more common, by means of ulceration, which anatomy and classification of aural diseases even to this ten suppression of a long continued discharge from a often takes place to a great extent. Itard has supposed day. At this moment we are employed in rooting the prejudices and ridiculous practices of the ancients, for

effort being made to bring the diseased Ear under the No. 25, DELAU'S DIVISIONS OF THE LESIONS cure of deafness, and a passion for perforating the DEAFNESS. EXHAUSTING MALADIES ACTING AS PRE culty of the matter finding its exit in that direction. drum (see Sir Astley Cooper) and all the excesses of No. 26. CHRONIC INFLAMMATION OF THE

Is it not most unaccountable to see men among us expecting to excel in a specialty of which their knowledge Wax inspissated to extreme hardness may be consided fluctuation, ulceration, or even sloughing, may occur, is but limited to eager to be known as improvers with or the abscess be opened artificially, when the matter, out having ripened their minds by studying the inventions of others? vain of their opinions, practices, and pathologies of disease, in which they are often excelled The pus in all cases is offensive, and particularly dis- and anticipated by authors which they have never read? agreeable to the taste when passed through the passa. Many a busy creature do we see proclaiming as fine inphysician, so that any fatal consequences which may en namely, when after examining a patient to say it is IRRITATING INJECTIONS ADMINISTERED TO gen into the larguage occasionally the ossicula are dis ventions of his own instruments which have been decharged at the same time through the membrane or scribed, drawn, commented upon, condemned, neglectmasterid process, but they usually come away at a subse- ed, and revived again, centuries, before this new inven-

While he troubles the world with his inventions, he any plagiarism; he is innocent of the knowledge of all

lated wisdom of ages; he dwells with enthusiasm upon

children with cutaneous cruptions, and especially during matter; the absence of this sign is not to be depended Aurist, as if nature had not endowed us all with abili-On this favorite theme, however, authors have descanted inches distant from the larynx in the natural state there and those who are the subjects of cutaneous eruptions, When the pus finds its way through the tubes, by to little purpose, for those qualities which are most and that unfeeling hardihood, which is so well described predisposition to disease. Our readers daily either ex- cases as they are locally situated; and hence the division | Happy results may be expected when the matter is by the "manu stranna stabili nec unquam intermiscente, anima intrepidus immisericars."

No sooner do you take up the works of any author. mes not, to a casual observer, be so evident as to the the opthalmic mucous surface and frontal sinuses, and The presence of cascous or scrofulous matter in the tain that the ossicula, wholly or in part, will be lost, and read them with proper diligence, than you perceive from the forms of his books the order and charperceive the really intimate connection between the cells of the lungs, as it is all like a map of mucous mem- the action of the Internal Ear and the healthy state of for a long period-semetimes even during life-giving actor of his studies. If he be a man unlearned in his brane lining. "To the whole length of the intestinal the membrane of the Eustachian Tube, it readily admits rise to deafness, more or less complete, the extent of profession, and have (as it is but too much the custom), by me, shows that a proper classification and a proper carned it only by hearsay, his tedious, unmeaning books tachian Tabe, the continuity of the mucous membrane, an eminent author on diseases of the Eur, "and there when withdrawn is besmeared with a whitish material considered in treating of the chronic disease of the into your hands. But if he be a perfect aurist, like state, and be a blessing to the community. those I have pleasure to set before you as examples.

"It but too frequently happens that the Wescon wit- then you will find all his remarks arranged, explained, nesses an unfavorable termination to this painful form illustrated and enforced with peculiar ardor; his perfect knowledge of the Ear brings all his experience into ters indicating inflammation of the membranes of the the most useful forms; his histories are plain and imbrain, and after passing many hours, or a day or two, portant; he dwells with judgment upon those points which are peculiarly difficult, and resolves theung coutinual reference to the structure and functions of the

relates them; the most ordinary facts become in structive; we never read such an author without pleasure, as well as instruction; at every turn, in every difficult question we perceive his superior penetration, knowledge, decision, good conduct. It is far otherwise when we read the books of some others, whose histories are merely surprising tales, to which the want of anatomical knowledge of the structure of the Eur gives an air of romance

Pathology is the work of the mind operating upon facts, comparing the sound and healthy structure with its diseased state. Every man will reason well and truly, in exact proportion to his acquired knowledge, and will not with some and prodence in exact propertion to his sound reasoning. The most uninformed reason according to their degree of knowledge. They reason seldom indeed, and their minds are not much engaged, they are never warmed by love of their profession, their exertions are without enthusiasm. But if you put in motion one whose mind is improved by study and ripe for practice; his powers rife in every perilous or agitated scene; his mind, even in the midst of confusion, and while he is busy with his hands, turning from point to point, from speculation to speculation. His reasoning is rapid and sure. It is like instinct, direct, active, effectual. He thinks, judges, resolves, and acts at once. He reaps advantage from his knowledge of the ear in health and disease, which (during the time of studying them), he did not believe to be so closely silied to practice; be goes onward, with an intrepidity, security and firmness, which he is delighted to feel. It is in the middle of scenes of difficulty that such a man, se educated, so inspired, becomes to be known.

In answer to the numerous inquiries, I have to state that the appendix to this work on Catarrh cannot appear till I have completed my observations on the following

No. 1. GENERAL OBSERVATIONS.

No. 2. DIVISION OF THE EAR.

No. 3. VESTIBULE. No. 4. SEMIURCULAR CANALS. COCHLEA

OTOLITHES AND OTOCONIES. No 5 TYMPANUM. MEMBRANE OF THE TYMPANUM.

EUSTACHIAN TUBE. OSSICULA OF THE EAR. No. 6. EXTERNAL EAR.

No. 7. INNER WALL OF THE TYMPANUM. No. 8. POSTERIOR WALL OF THE TYM-

No. 9. DEVELOPMENT OF MALFORMATION.

No. 10. RAPIDITY OF SOUND:

No. 11. LABYRINTH.

No. 12. ACOUSTIC NERVE. No. 13. ACUTE OTITIS.

No. 14. INFLAMMATION OF THE MEMBRANE TYMPANI.

No. 15. INTERNAL OTITIS. No. 16. MUCOUS ENGORGEMENT OF THE MID

DIE EAR. No. 17. INFLAMMATION THROUGH THE EUS-

TACHIAN TURE. No. 18. MY OWN MODE OF RESTORING HEAR.

ING TO THE DEAF. No. 19, ERYTHMATIC CHRONIC DISEASE.

No. 20, CHRONIC INFLAMMATION WITH IN-ORDINATE SECRETION.

No. 21. INORDINATE CERUMENOUS SECRE

No. 22. FOREIGN BODIES IN THE MEATUS. No. 23. POLYPUS, FUNGUS, VEGETATION OF THE CANAL.

No. 24. CEREBRAL DISEASE FOLLOWING

influence of medicine, an indifference about the simple OF THE MEDICAL EAR, WHICH OCCASION

EUSTACHIAN TUBE No. 27. CONSTITUTIONAL TREATMENT OF

THE DISEASE OF THE EAR. No. 59. CATHETERISM OF THE EUSTACHIAN TUBE. (F. 7) 133 7 77

No. 29. EXCITED FUNCTIONAL DERANGE-MENT OF THE ACOUSTIC NERVE. No. 30. FUNCTIONAL DERANGEMENT OF

THE TYMPANIC NERVES. No. 31, THE MODE OF EXAMINING THE EAR BY AID OF SUNLIGHT.

No. 32. RUPTURE OF THE MEBRANA TYM-PANI BY A GUN SHOT.

No. 33 ARSCESSES IN THE CEREBELLUM. No. 34. TUMOR OF THE LOBULE

No. 35. HEMATOCELE OF THE EXTERNAL

No. 36. CAUSES OF OBSTRUCTION OF THE EUSTACHIAN TUBE.

No. 37. THICKENED MUCOUS MEMBRANE. No. 38. RELAXED MUCOUS MEMBRANE.

No. 39. OBSTRUCTION OF THE FAUCIAL ORI.

FICE FROM THICKENED NERVOUS MEM-1-47 4 300

No. 40. THE EXPLORATION OF THE TUBE.

No. 41. DISCHARGE OF THE EAR. No. 42. RESULT OF OTITIS.

No. 43. DUMBNESS WITH DEAFNESS. No. 44. FATTY ENLARGEMENT OF THE RAR.

No. 45. DEAFNESS CAUSED BY PARALYSIS OF THE FACIAL NERVE. No. 46. ERAIN DISEASE CAUSED BY AFFEC-

TIONS OF THE EAR No. C. CANCEROUS AFFECTIONS OF THE

AURICLE.

No. 46. CATARRHAL AFFECTION OF THE THROAT AND EAR.

No. 49. DEAFNESS CONNECTED WITH DIS-EASES OF THE THROAT. No.50, TORPID FUNCTIONAL DEBANGEMENT

OF THE ACOUSTIC NERVE. The course of investigation which has been pursued

description of every disease will enable every practiwill be soon thrown aside, they will indeed seldom fall tioner to detect the cause of impediment of bearing, and at the same time restore that function to the catera